AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

1. ***Paragraph on page 5 starting at line 4 and ending at line 19:***

wherein R_1 and R_2 , and R_3 and R_4 taken together each independently comprise a substituted or unsubstituted cyclic or polycyclic aryl or heteroaromatic moiety; wherein m is 1, 2, or 3; wherein n is 0 or 1; wherein Z or Y each independently comprise ~~CR_2~~ -$C(R)_2$-, wherein each occurrence of the functional moiety R, is independently selected from the group consisting of hydrogen and methyl; NR, wherein R is selected from the group consisting of hydrogen and methyl; O; S; or Se; wherein X is a non-coordinating negative counter ion including, but not limited to BF_4, PF_6, ClO_4, TsO, I, Br; and wherein R_5 or R_6 each independently comprise lower alkyl, a chiral reagent (CR) or a chiral reagent and linker (L-CR), whereby said chiral reagent is attached to the detecting agent via the linker, with the proviso that at least one of R_5 or R_6 is a chiral reagent (CR) or a chiral reagent and linker (L-CR); and

wherein the chiral reagent (CR) for the first chiral detecting reagent (CDR) and for the second chiral detecting reagent (CDR) in a pair are enantiomers, and wherein each of said chiral detecting reagents in a set is capable of selectively reacting with one enantiomeric reaction product over the other enantiomeric reaction product in a sample of reaction products and is capable of being uniquely identified.

2. ***Paragraph on page 6 starting at line 4 and ending at line 14:***

wherein R_1 and R_2 , and R_3 and R_4 taken together each independently comprise a substituted or unsubstituted cyclic or polycyclic aryl or heteroaromatic moiety; wherein m is 1, 2, or 3; wherein n is 0 or 1; wherein Z or Y each independently comprise ~~CR_2~~ -$C(R)_2$-, wherein each occurrence of the functional moiety R, is independently selected from the group consisting of hydrogen and methyl; NR, wherein R is selected from the group consisting of hydrogen and methyl; O; S; or Se; wherein X is a non-coordinating negative counter ion including, but not limited to BF_4, PF_6, ClO_4, TsO, I, Br; and wherein R_5 or R_6 each independently comprise lower alkyl, a chiral reagent (CR) or a chiral reagent and linker (L-CR), whereby said chiral reagent is attached to the detecting agent via the linker, with the proviso that at least one of R_5 or R_6 is a chiral reagent (CR) or a chiral reagent and linker (L-CR).

*3. **Paragraph on page 7 starting at line 5 and ending at line 20:***

wherein R_1 and R_2 , and R_3 and R_4 taken together each independently comprise a substituted or unsubstituted cyclic or polycyclic aryl or heteroaromatic moiety; wherein m is 1, 2, or 3; wherein n is 0 or 1; wherein Z or Y each independently comprise ~~CR_2~~, -$C(R)_2$-, wherein each occurrence of the functional moiety R, is independently selected from the group consisting of hydrogen and methyl; NR, wherein R is selected from the group consisting of hydrogen and methyl; O; S; or Se; wherein X is a non-coordinating negative counter ion including, but not limited to BF_4, PF_6, ClO_4, TsO, I, Br; and wherein R_5 or R_6 each independently comprise lower alkyl, a chiral reagent (CR) or a chiral reagent and linker (L-CR), whereby said chiral reagent is attached to the detecting agent via the linker, with the proviso that at least one of R_5 or R_6 is a chiral reagent (CR) or a chiral reagent and linker (L-CR); and

wherein the chiral reagent (CR) for the first chiral detecting reagent (CDR) and for the second chiral detecting reagent (CDR) in a pair are enantiomers, and wherein each of said chiral detecting reagents is capable of selectively reacting with one enantiomeric reaction product over the other enantiomeric reaction product in a pair and is capable of being uniquely identified.

*4. **Paragraph on page 23 starting at line 6 and ending at line 23:***

wherein R_1 and R_2 ,and R_3 and R_4 taken together each independently comprise a substituted or unsubstituted cyclic or polycyclic aryl or heteroaromatic moiety; wherein m is 1, 2, or 3; wherein n is 0 or 1; wherein Z or Y each independently comprise ~~CR_2~~, -$C(R)_2$-, wherein each occurrence of the functional moiety R is independently selected from the group consisting of hydrogen and methyl; NR, wherein R is selected from the group consisting of hydrogen and methyl; O; S; or Se; wherein X is a non-coordinating negative counter ion including, but not limited to BF_4, PF_6, ClO_4, TsO, I, Br; and wherein R_5 or R_6 each independently comprise lower alkyl, a chiral reagent (CR) or a chiral reagent and linker (L-CR), whereby said chiral reagent is attached to the detecting agent via the linker. In certain embodiments, the linker moiety comprises –$(CH)_p$-(CO)- , wherein p is 1-5, most preferably 4, and the chiral agent comprises a chiral acylating agent, as described in certain embodiments herein. In certain embodiments, the chiral agent comprises a chiral acylating agent having the general structure: -(NH)-(CHR_x)-COOH, where R_x comprises a chiral amino acid residue. In certain other embodiments of the present invention, the chiral reagent (CR) or the chiral reagent and linker (L-CR) can be attached

at any one of R_1-R_6, or as substitutions of other moieties thereof attached at R_1-R_6 (e.g, the chiral reagent or chiral reagent and linker can be attached via an aryl moiety or other functional ~~group)~~ group).